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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION FOR UTILITY OR	Attorney Docket Number GG109US First Named Inventor Lynette Robyn Griffiths				
DESIGN PATENT APPLICATION	. COMPLETE IF KNOWN				
(37 CFR 1.63)	Application Number	09/700,270			
☐ Declaration ☐ Declaration Submitted OR Submitted after Initial	Filing Date	Novem ber 13, 2000			
With Initial Filing (surcharge Filing (37 CFR 1.16 (e))	Group Art Unit				
required)	Examiner Name				

As a below named inventor, I hereby declare that:							
My residence, post office address, and citizenship are as stated below next to my name.							
I believe I am the original, first ar are listed below) of the subject m	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:						
POLYMORPHISM IN	POLYMORPHISM IN A NITRIC OXIDE SYNTHASE GENE						
the specification of which (Title of the Invention)							
☐ is attached hereto							
OR							
■ was filed on (MM/DD/YYYY)							
Application Number PCT	/GB99/01450 and	was amended on (MM/DD/Y	YYY)	(if	applicable).		
I hereby state that I have reviewed specifically referred to above.	and understand the conte	ents of the above identified sp	ecification, includin	g the claims as an	nended		
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.							
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.							
Prior Foreign Application Foreign Filing Date Priority Certified Copy Attache							
Number(s)	Country	(MM/DD/YYYY) Country	Not Claimed	YES	NO		
9810085.2	85.2 Great Britain 05/11/1				⊠		
☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:							
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.							
ApplicationNumber(s)	Filing Date (MM/DD/YYYY)					
			numbers a	provisional appli re listed on ental priority data B attached here	a sheet		

[Page 1 of 2]

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PTO/SB/01 (10-00)

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DECLARATION — Utility or Design Patent Application

Direct all corresp	ondenc	e to:			Number de Label			OR	⊠ c	orrespondance address below
Name	Patricia A. McDaniels									
Address	Gemini Genomics, Inc.									
Address	189 We	ells Ave	nue							
City										
Newton							MA			9
Country				Telep	hone					Fax
USA					527-4198				(617)	527-4199
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.										
NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor										
Given Name Lynette Robyn Family Name Griffiths or Surname										
Inventor's Signature		/	,	,	Z.		1		D	ate 29.3 ·O/
Residence: City	,		^ .	Sta	ate	С	Country			itizenship
Burleigh Heads		Ч	LW	IJ Qu	eensland	A	Australia			ustralia
Mailing Addres		14 F	wart St	1						
Mailing Address			01-1-		1	710		Country		
City			State			ZIP				
Burleigh Heads				nsland		4220		Australia	1	
NAME OF SEC	OND IN	VENT	OR:				A petition has be	en filed for	this	unsigned inventor
Given Name			•				amily Name r Surname			
Inventor's Signature						D	ate			
Residence: City	/				State	С	ountry			Citizenship
Mailing Address										
Mailing Address										
City					Z	ZIP			Country	
Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.										

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Lynette Robyn Griffiths

SERIAL NO.

09/700,270

GROUP:

TBA

FILING DATE:

November 13, 2000

EXAMINER:

TBA

TITLE:

POLYMORPHISM IN A NITRIC OXIDE SYNTHASE GENE

Certificate of Mailing Pursuant to 37 C.F.R. 1.8

I certify that the this correspondence was deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Box PCT, Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

Sir:

Patricia A. McDaniels

Reg.No. 33,194

Date: 12 April 200

POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

As an authorized representative of the assignee of the above-identified application, Gemini Genomics (UK) Limited, formerly Gemini Research Limited, I hereby appoint:

Patricia A. McDaniels

Reg.No. 33,194

as attorney in this matter. Please direct all future correspondence relating to this application to Attorney McDaniels at the address set forth below.

Gemini Genomics, Inc.

189 Wells Avenue

Newton, MA 02459

(617) 527-4198 (telephone)

(617) 527-4199 (facsimile)

A Certification Pursuant to 37 C.F.R. 3.73(b) is submitted herewith.

Respectfully submitted,

GEMINI GENOMICS (UK) LIMITED

resident and Chief Executive Officer

DOCKET NO.: GG109US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Lynette Robyn Griffiths

SERIAL NO.

09/700,270

GROUP:

TBA

FILING DATE:

November 13, 2000

EXAMINER:

TBA

TITLE:

POLYMORPHISM IN A NITRIC OXIDE SYNTHASE

GENE

Certificate of Mailing Pursuant to 37 C.F.R. 1.8

I certify that the this correspondence was deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Box PCT, Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

Sir:

Patricia A. McDaniels

Reg.No. 33,194

Date: 12 April 2001

CERTIFICATION PURSUANT TO 37 C.F.R. 3.73(b)

I certify that Gemini Genomics (UK) Limited is the assignee of the entire right, title, and interest in and to the above-identified application, by virtue of the assignment of the inventor to Gemini Genomics (UK) Limited, a copy of which is submitted herewith. I further certify that I am a party authorized to act on behalf of the assignee, by virtue of the Power of Attorney submitted herewith, and by virtue of the Resolution of the Board of Directors of Gemini Genomics (UK) Limited dated 16 January 2001, a copy of which is submitted herewith.

Respectfully submitted,

GEMINI GENOMICS (UK) LIMITED

L. NeDaniels

Patricia A. McDaniels

Reg. No. 33,194

PTO/SB/10 (1-99)

Approved for use through 09/30/2000. OMB 0651-0031

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))SMALL BUSINESS CONCERN	Docket Number (Optional) GG109US
Applicant, Patentee, or Identifier: Lynette Bohyn Griffiths	
Application or Patent No.: 09/700,270	
Filed or Issued: November 13, 2000	
Title: POLYMORPHISM IN A NITRIC OXIDE SYNTHASE GENE	
I hereby state that I am	
the owner of the small business concern identified below:	
an official of the small business concern empowered to act on behalf of the concern ide	entified below:
NAME OF SMALL BUSINESS CONCERN Gemini Genomics (UK) Limited	
ADDRESS OF SMALL BUSINESS CONCERN 162 Science Park, Milton Road, Cambridge	CB4 0GH, England
I hereby state that the above identified small business concern qualifies as a small bin 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Tirelated to size standards for a small business concern may be directed to: Small Bus Standards Staff, 409 Third Street, SW, Washington, DC 20416.	rademark Office. Questions
I hereby state that rights under contract or law have been conveyed to and rema concern identified above with regard to the invention described in:	in with the small business
the specification filed herewith with title as listed above.	
★ the application identified above.	
the patent identified above.	
If the rights held by the above identified small business concern are not exclusive, organization having rights in the invention must file separate statements as to their staturights to the invention are held by any person, other than the inventor, who would not inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).	s as small entities, and no qualify as an independent
Each person, concern, or organization having any rights in the invention is listed below	v:
no such person, concern, or organization exists.	
 ■ each such person, concern, or organization is listed below. 	
Gemini Genomics plc	
Separate statements are required from each named person, concern or organization stating their status as small entities. (37 CFR:1.27)	having rights to the invention
I acknowledge the duty to file, in this application or patent, notification of any change entitlement to small entity status prior to paying, or at the time of paying, the earlier maintenance fee due after the date on which status as a small entity is no longer appropriate.	st of the issue fee or any
NAME OF PERSON SIGNING Patricia A. McDaniels	
TITLE OF PERSON IF OTHER THAN OWNER Head of Intellectual Property Management	
ADDRESS OF PERSON SIGNING Gemini Genomics, Inc. 189 Wells Avenue, Newton, MA	02459
SIGNATURE Patricia A. MeDoniels DATE 1	2 April 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))SMALL BUSINESS CONCERN	Docket Number (Optional) GG109US
Applicant, Patentee, or Identifier: Lynette Robyn Griffiths	
Application or Patent No.: 09/700,270	
Filed or Issued: November 13, 2000	
Title: POLYMORPHISM IN A NITRIC OXIDE SYNTHASE GENE	
I hereby state that I am	
the owner of the small business concern identified below:	
☑ an official of the small business concern empowered to act on behalf of the concern ide	entified below:
NAME OF SMALL BUSINESS CONCERN Gemini Genomics plc	
ADDRESS OF SMALL BUSINESS CONCERN 162 Science Park, Milton Road, Cambridge	CB4 0GH, England
I hereby state that the above identified small business concern qualifies as a small bin 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Tirelated to size standards for a small business concern may be directed to: Small Bus Standards Staff, 409 Third Street, SW, Washington, DC 20416.	rademark Office. Questions
I hereby state that rights under contract or law have been conveyed to and rema concern identified above with regard to the invention described in:	in with the small business
☐ the specification filed herewith with title as listed above.	
☑ the application identified above.	
the patent identified above.	
If the rights held by the above identified small business concern are not exclusive, organization having rights in the invention must file separate statements as to their status rights to the invention are held by any person, other than the inventor, who would not inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which we business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).	s as small entities, and no qualify as an independent
Each person, concern, or organization having any rights in the invention is listed below	v:
no such person, concern, or organization exists.	
ach such person, concern, or organization is listed below.	
Gemini Genomics (UK) Limited	
Separate statements are required from each named person, concern or organization stating their status as small entities. (37 CFR 1.27)	having rights to the invention
I acknowledge the duty to file, in this application or patent, notification of any change entitlement to small entity status prior to paying, or at the time of paying, the earlies maintenance fee due after the date on which status as a small entity is no longer appropriate	st of the issue fee or any
NAME OF PERSON SIGNING Patricia A. McDaniels	
TITLE OF PERSON IF OTHER THAN OWNER Head of Intellectual Property Management	
ADDRESS OF PERSON SIGNING Gemini Genomics, Inc. 189 Wells Avenue, Newton, MA	02459
SIGNATURE Patricia A. MEDaniel S DATE 12	- April 2001
	•

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GEMINI GENOMICS PLC (formerly GEMINI HOLDINGS PLC) Registered in England No. 3377251

Resolution of the Board of Directors of Gemini Genomics plc at a Meeting held at 162 Science Park, Milton Road, Cambridge CB4 0GH England On 16th January 2001

That Patricia A. McDaniels, Head of Intellectual Property Management of Gemini Genomics plc, be and hereby is authorised to appear before the United States Patent and Trademark Office and before any foreign patent or trademark office as the duly authorised representative of Gemini Genomics plc and to execute and deliver, in the name and on behalf of Gemini Genomics plc, any and all documents, instruments, applications and filings related to Gemini Genomics plc's patent applications, patents trademark applications, and trademarks, or otherwise relating to the protection of Gemini Genomics plc's intellectual property.

Dr Faul Kelly

Mr Roger Dickinson

Secretary



PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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ASSIGNMENT OF APPLICATION

Docket Number (Optional)

GG109US Whereas, I, Lynette Robyn Griffiths of Queensland, Australia, hereafter referred to as applicant, have invented certain new and useful improvements in POLYMORPHISM IN A NITRIC OXIDE SYNTHASE GENE for which an application for a United States Patent was filed on May 7, 1999, Application Number 09/700,270. for which an application for a United States Patent was executed on _____, and Whereas, Gemini Genomics (UK) Limited of Cambridge, England herein referred to "assignee" whose post office address is 162 Science Park, Milton Road, Cambridge CB4 0GH, England is desirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of ten dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. Executed this 29 day of MACH 2001 at Southfort AUSTRALIA Before me personally appeared said <u>L</u> and acknowledged the foregoing instrument to be his free act and deed this

Seal

JOHN DONALD McDONALE NOTARY PUBLIC 23 NIND ST. SOUTHPORT 42 QUEENSLAND AUSTRALIA

EXPIRE.

(Notary Public)

NOT

COMMISSION DOES

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GEMINI GENOMICS (UK) LIMITED (formerly GEMINI RESEARCH LIMITED) Registered in England No. 3100033

Resolution of the Board of Directors of Gemini Genomics (UK) Limited at a Meeting held at 162 Science Park, Milton Road, Cambridge CB4 0GH England on 16th January 2001

That Patricia A. McDaniels, Head of Intellectual Property Management of Gemini Genomics, be and hereby is authorised to appear before the United States Patent and Trademark Office and before any foreign patent or trademark office as the duly authorised representative of Gemini Genomics (UK) Limited and to execute and deliver, in the name and on behalf of Gemini Genomics (UK) Limited, any and all documents, instruments, applications and filings related to Gemini Genomics (UK) Limited's patent applications, patents trademark applications, and trademarks, or otherwise relating to the protection of Gemini Genomics (UK) Limited's intellectual property.

Dr Paul Kelly

Director

Mr Roger Dickinson

Director